ABRAMS TANKS M1, M1A1, M1A2

Crew of 4: Driver, Gunner, Loader, Commander

ABRAMS Tanks M1, M1A1, M1A2

- **Armament**
  - **Main gun: 105 mm on M1, 120 mm on M1A1, M1A2**
  - **7.62mm Coaxial Machine Gun**
  - **7.62mm or .50 caliber machine gun over turret hatches**
- **Noise sources: chordal action, armament, AFES, smoke grenade launchers**
- **Exposure conditions:**
  - **Hatches open , commander's head outside (exposed Cmdr)**
  - **Hatches closed, crew inside**
  - **Training evaluator sitting on top of turret**

ABRAMS Tanks M1, M1A1, M1A2

- **HPD**
  - **All 4 crewmembers wear CVC / DH132**
- **Steady-State Noise**
  - **85 - 100 dBA Stationary**
  - **96 - 117 dBA While moving 10 to 40 mph**
  - **Can reach exposure limits in:**
    - **16 minutes with DH-132**
    - **174 minutes with DH-132 and earplugs**
  - **Double protection recommended if traveling more than 10 miles in 24 hours**
- **Impulse Noise:**
  - **Moderate impulse noise from machine guns, AFES, Smoke Grenades, Main gun if crew inside and driver's hatch is closed**

ABRAMS Tanks M1, M1A1, M1A2

- **Severe exposure from certain main gun cartridges for exposed CDR, Evaluator position**
  - **Limited to a few rounds per day**
- **Exposure not allowed if: Driver's hatch is open for any firing, certain cartridges for exposed Cmdr and evaluator**

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